

DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES & HFC EQUIPMENT



-  Small surface mount component
-  42/54 frequency split¹
-  Good isolation port to port
-  No tuning required
-  75Ω Impedance

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

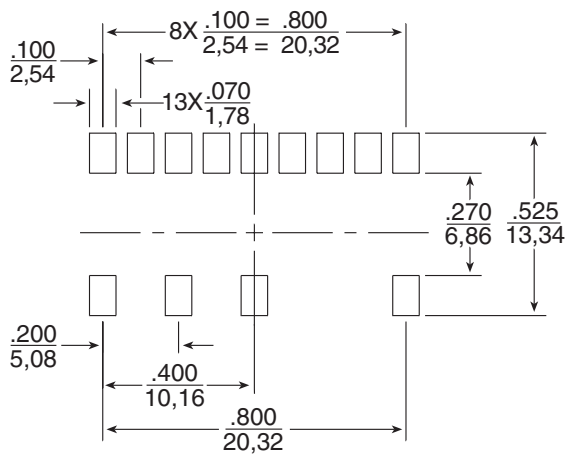
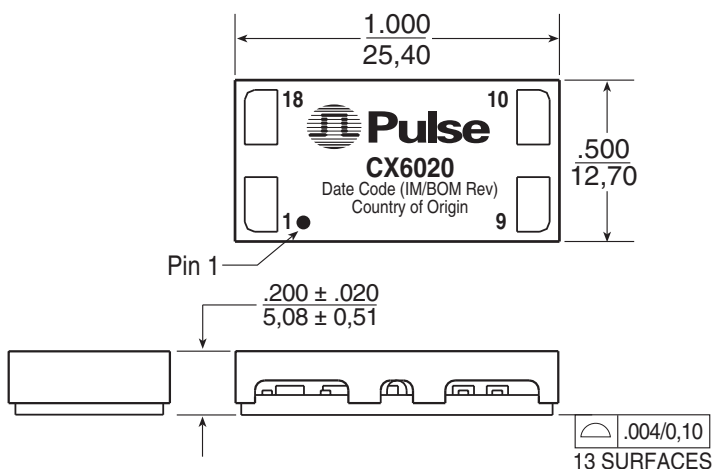
Part Number	Low Pass Filter			High Pass Filter				Isolation (Port to Port)	
	Passband (Insertion Loss)		Return Loss	Passband (Insertion Loss)		Return Loss		@ 5-42 MHz	@ 54-864 MHz
	@ 5-38 MHz	@ 42 MHz		@ 54 MHz	@ 80-864 MHz	@ 54-200 MHz	@ 200-864 MHz		
CX6020	<1dB ²	<1.5dB	≥14dB	<2dB	<1dB	≥12dB	≥9dB	50 dB MIN	30 dB MIN

NOTES: 1. Additional frequencies are supported on request. Contact Pulse Applications Engineering. 2. Including ripple.

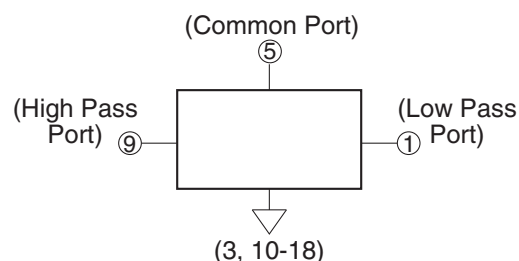
Mechanical

Schematic

CX6020



SUGGESTED PAD LAYOUT



Weight 3.5 grams
Tape & Reel500/reel
Tube20/tube

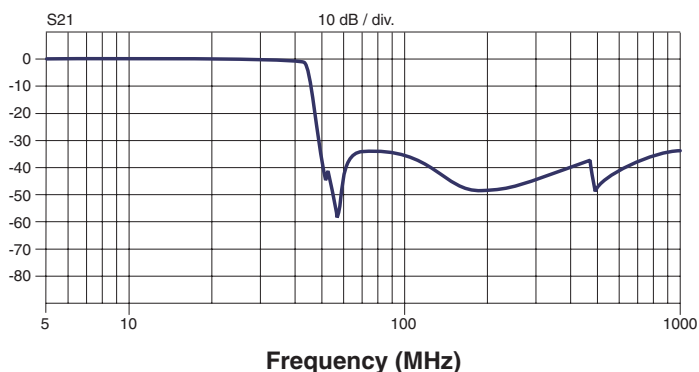
Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

DIPLEXERS FOR CABLE MODEMS, SET TOP BOXES & HFC EQUIPMENT

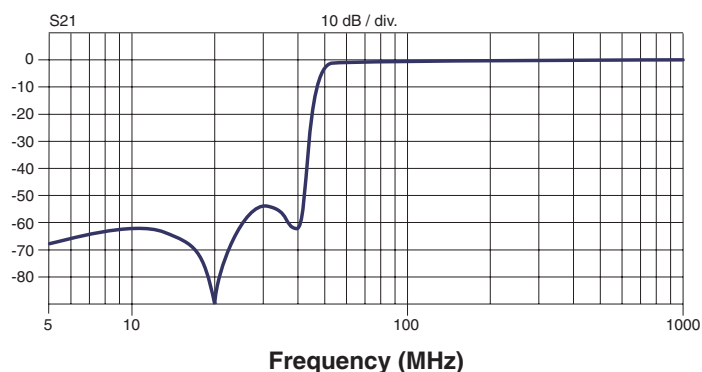


Typical Performance @ 25°C CX6020

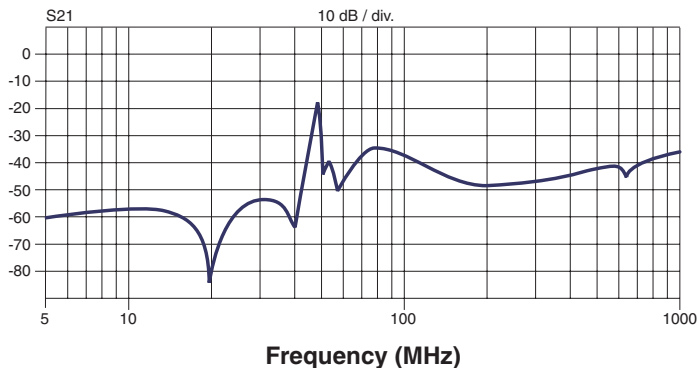
Low Pass Insertion Loss (TYP)



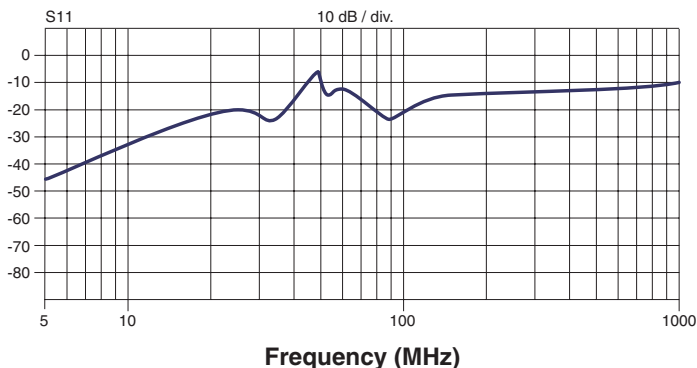
High Pass Insertion Loss (TYP)



Isolation (TYP)



Passband Return Loss (TYP)



For More Information :

UNITED STATES (Worldwide)

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

3 Huxley Road
Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 6287 8998
FAX: 65 6280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

HONG KONG (China/Hong Kong)

9/F, Phase 2, Tai Sang
Shatin Warehouse Centre
6 Wong Chuk Yeung Street
Fotan, Shatin, Hong Kong
TEL: 852 2788 6588
FAX: 852 2776 1055

DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.